

AMENDMENTS TO THE SPECIFICATION

Please replace the first through third paragraphs on page 1 with the following amended paragraphs:

1. Field of the Invention

The present invention relates to a magnetic tape cartridge reel on which a magnetic tape is wound ~~is~~ and stored within a magnetic tape cartridge.

2. Description of the Related Art

Conventionally, as a magnetic tape cartridge which has been used as a recording medium for use in external memory such a computer, there is known a magnetic tape cartridge of a type ~~that a magnetic tape cartridge~~ in which a single reel with a magnetic tape is wound thereon. The magnetic tape cartridge is used for storing ~~data~~ data in of a computer.

As shown in Fig. 6, this type of magnetic tape cartridge 1 is composed in such a manner that a reel 7 consists of ~~an~~ a lower flange and an upper flange welded by ultra sonic welding is rotatably stored into a cartridge case 11 composed of an upper case 11a and a lower case 11b fastened together with screws.

Please replace the first full paragraph on page 2 with the following amended paragraph:

~~A-~~The brake member 30 has a first member 31 of the cylindrical-shape with a bottom surface and a second member 32 of a cylindrical-shape with a bottom surface in which the restricting gear is formed. On the upper surface of the ~~first~~ second member ~~31~~ 32, there is formed a cross-shape projection 32b which always meshes with a cross-shape groove (not shown) which is formed in the upper case 11a.

Please replace the first full paragraph on page 4 with the following amended paragraph:

~~Even though, the~~The above-cited JP-10-92143-A discloses, as shown in FIG. 7, on the inner surface of the flange 15, that there are formed a plurality of grooves ~~3+15a~~ to release the involved-in air. But there is a problem that enlarging the thickness in the radial direction of the groove ~~3+15a~~ to improve the functionality of releasing the involved-in air, causes the width of a convex 33 (a part of contacting magnetic tape) between the adjoining concaves ~~is to be~~ decreased. And an edge damage of the magnetic tape 9 becomes remarkable. This is, because the flange 15 forming the reel has high rigidity, in the case ~~where~~ when the tape edge contacts with the flange when~~during~~ the magnetic tape is wound on the reel, the edge of the magnetic tape is damaged easily. The conventional reel is composed of the hub 13 and the flange 15 projected in the radial direction of the hub 13 from the lower end outer periphery of the hub 13. In the conventional reel, the hub 13 and the flanges are integrally formed from a synthetic resin, so that it is difficult to make the rigidity of only the flanges 15 themselves low.

Please replace the second full paragraph on page 6 with the following amended paragraph:

In this magnet tape cartridge reel, the flange attached to the side of the hub is formed separately from the hub, the flanges ~~is~~are made of flexible material, and the rigidity of the flanges ~~become~~becomes low. Because of this composition, the impact undergoing the magnetic tape can be reduced, even when a magnetic tape is wound on the reel and an edge of the magnet tape collides the flange. Or even when the magnetic tape cartridge gets damages from falling,

damages of the edge of the magnetic tape are reduced as well. The situation that some of servomechanism or some of running/recording position detecting systems can not detect the tape edge and the tape can not run is prevented beforehand. Further, because the hub and the flange are separately formed, the hub can be made to simple shape, it becomes easy to improve the shape-precision of the injection molding.

Please replace the first full paragraph on page 8 with the following amended paragraph:

According to this composition, when the magnetic tape is subjected to an impact shock, the portion between the cartridge case and the flanges absorbs the shock. Also, since the portion is between the cartridge case and the flange, there is generated a space, which is thickness of the portion. Because of the space, flanges can bend, so further the shock given to the tape is absorbed. Further, because a centrifugal force is added and the tensile strength of the flanges becomes strong, when the flange rotates, the flanges can have ~~a~~an enhanced force for maintain their plain shape.

Please replace the fourth full paragraph on page 9 with the following amended paragraph:

~~FIG. 8a is an explanation diagram showing~~ FIG. 8a shows an undulation of a magnetic tape and
Fig. 8b shows the damage-generating situation of the tape edge in the conventional reel;

Please replace the eighth full paragraph on page 9 with the following amended paragraph:

FIG. 12 is an appearance perspective view of the magnetic tape cartridge reel comprising a portion having a plurality of units dispersed around the ~~paerture~~ aperture of the hub are attached on the flange;

Please replace the third full paragraph on page 10 with the following amended paragraph:

As shown in Fig. 1, a magnetic tape cartridge reel 100 (Hereafter, only described as a reel) comprises; A hub 45 where a magnetic tape 43 is wound around the perimeter, a pair of ~~flange~~ flanges 47, 47 attached on the both end-side surfaces 45a, 45b of the axial direction of the hub 45. In this embodiment, the hub 45 is formed cylindrical-shape as shown in Fig. 2, the both end-side surfaces of the axial direction open and are ring-shape in plane.

Please replace the first full paragraph on page 11 with the following amended paragraph:

On the both end-side surfaces of the axial direction, a plurality of pins 51 projecting along with the axial direction are installed in the direction of the circumference at the predetermined intervals. A plurality of holes 53 to which the pin 51 inserts are dug by the surrounding inner holes 47a of the flange 47 which correspond both end-side surface 45a, 45b of the hub 45. The holes 53 are formed a little larger than the diameter of pin 51, the flange by which the pin is inserted in the hole is attached so that it can move a little. A distortion by the wrinkles resulting from a manufacture error does not arise in the flange which consists of a film ~~When~~ when the flange is attached to the hub 45.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 10/699,865

Please replace the fifth full paragraph on page 14 with the following amended paragraph:

~~the~~ The reel 300 of this embodiment is, a ring-shape portion 83 comprises a single unit having a substantially similar to the perimeter of the flange 47 is formed on the flange 47 positioned between a perimeter of the flange 47 and an aperture of the flange 47.

AMENDMENT UNDER 37 C.F.R. § 1.111
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Please delete the present Abstract of the Disclosure and replace it with the following amended Abstract of the Disclosure.

A magnetic tape cartridge reel ~~comprising~~ includes a hub having a first end and a second end configured to receive a magnetic tape to be wound thereon and at least one flange which is attached to at least one of the first end and the second end of the hub, wherein the at least one flange is formed separately from the hub and is made of a flexible material.